

#2

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/849,729

DATE: 05/16/2001

TIME: 14:56:18

Input Set : A:\RDID 0070.ST25.txt

Output Set: N:\CRF3\05162001\I849729.raw

ENTERED

```

3 <110> APPLICANT: Liu, Jen-Kuei
4      Lewis, Samantha
5      Batz, Hans-Georg
6      Ramaswamy, Latha
7      Bohenzky, Roy
8      Lin, Yu-Huei
9      Montiel, Janine
10     Chen, Benjamin
12 <120> TITLE OF INVENTION: Sentinel Virus II
14 <130> FILE REFERENCE: RDID 0070
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/849,729
C--> 16 <141> CURRENT FILING DATE: 2001-05-04
16 <150> PRIOR APPLICATION NUMBER: US 60/202271
17 <151> PRIOR FILING DATE: 2000-05-05
19 <160> NUMBER OF SEQ ID NOS: 5
21 <170> SOFTWARE: PatentIn version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 371
25 <212> TYPE: DNA
26 <213> ORGANISM: Sentinel Virus II
28 <400> SEQUENCE: 1
29 gatcmggaaa cgyttsqctc ggtgcatgca gaaggacggg wtgaaggcgg acgggattga      60
31 cgacgacgac gacattgcga tgaaagatgg gaccgcygac gtccttggcg gggcggagcg      120
33 cgagaaccaa gacgacgagg acgaggacgt ctacgcgcgc atccgtttcc ttctgagcgc      180
35 ggtatttgac acctccgcat tgctgacccg gaagttctcg cttgcagacg ctgattcagc      240
37 gccgcttcgt cgcacctgct ttggacgctg caaacccgac ggctcggacc atcgtcagtt      300
39 tctgtcttca gaggtgaatt tccgaccccg ttggactttg ctctctcttc tctctctacc      360
41 cgacgacgat c                                     371
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 372
46 <212> TYPE: DNA
47 <213> ORGANISM: Sentinel Virus II
49 <220> FEATURE:
50 <221> NAME/KEY: misc_feature
51 <222> LOCATION: (372)..(372)
52 <223> OTHER INFORMATION: unknown: can be a, t, g, c or there could be no nucleotide found
53     in this position.
56 <400> SEQUENCE: 2
57 gatcgctcgtc gggtagagag agaagagaga gcaaagtcca acgggggtcgg aaattcacct      60
59 ctgaagcagg aaactgacga tgggtccgagc cgtgcggttt gcagcggtcca aagcagggtgc      120
61 gacgaagcgg cgctgaatca gcgtctgcaa gcgagaactt caggatcagc aatgcggagg      180
63 tgtcaaatat ccgctcagga aggaacagga tgcgcgcgta gacgtcctcg tcctcgtcgt      240
65 cttggttctc gcgctccgcc ccgccaagga cgtrgcgggt cccatctttc atcgcaatgt      300
67 cgtcgtcgtc gtcaatcccg tccgccttca scccgctcct ctgcatgcac cgagcwaarc      360
W--> 69 gtttcckgat cn                                     372
72 <210> SEQ ID NO: 3
73 <211> LENGTH: 123

```

RAW SEQUENCE LISTING DATE: 05/16/2001
 PATENT APPLICATION: US/09/849,729 TIME: 14:56:18

Input Set : A:\RDID 0070.ST25.txt
 Output Set: N:\CRF3\05162001\I849729.raw

```

74 <212> TYPE: PRT
75 <213> ORGANISM: Sentinel Virus II
77 <220> FEATURE:
W--> 78 <221> NAME/KEY: Miscellaneous
79 <222> LOCATION: (14)..(14)
80 <223> OTHER INFORMATION: This residue can be Met or Leu.
83 <220> FEATURE:
W--> 84 <221> NAME/KEY: Miscellaneous
85 <222> LOCATION: (5)..(5)
86 <223> OTHER INFORMATION: This residue can be Phe or Leu.
89 <400> SEQUENCE: 3
W--> 91 Ile Arg Lys Arg Xaa Ala Arg Cys Met Gln Lys Asp Gly Xaa Lys Ala
92 1 5 10 15
94 Asp Gly Ile Asp Asp Asp Asp Ile Ala Met Lys Asp Gly Thr Ala
95 20 25 30
97 Asp Val Leu Gly Gly Ala Glu Arg Glu Asn Gln Asp Asp Glu Asp Glu
98 35 40 45
100 Asp Val Tyr Ala Arg Ile Arg Phe Leu Pro Glu Arg Val Phe Asp Thr
101 50 55 60
103 Ser Ala Leu Leu Ile Leu Lys Phe Ser Leu Ala Asp Ala Asp Ser Ala
104 65 70 75 80
106 Pro Leu Arg Arg Thr Cys Phe Gly Arg Cys Lys Pro His Gly Ser Asp
107 85 90 95
109 His Arg Gln Phe Pro Ala Ser Glu Val Asn Phe Arg Pro Arg Trp Thr
110 100 105 110
112 Leu Leu Ser Leu Leu Ser Leu Pro Asp Asp Asp
113 115 120
115 <210> SEQ ID NO: 4
116 <211> LENGTH: 124
117 <212> TYPE: PRT
118 <213> ORGANISM: Sentinel Virus II
120 <220> FEATURE:
W--> 121 <221> NAME/KEY: Miscellaneous
122 <222> LOCATION: (111)..(111)
123 <223> OTHER INFORMATION: This residue can be Ala or Pro.
126 <220> FEATURE:
W--> 127 <221> NAME/KEY: Miscellaneous
128 <222> LOCATION: (119)..(119)
129 <223> OTHER INFORMATION: This residue can be Gln or His.
132 <220> FEATURE:
W--> 133 <221> NAME/KEY: Miscellaneous
134 <222> LOCATION: (120)..(120)
135 <223> OTHER INFORMATION: This residue can be Ser or Asn.
138 <220> FEATURE:
W--> 139 <221> NAME/KEY: Miscellaneous
140 <222> LOCATION: (123)..(123)
141 <223> OTHER INFORMATION: This residue can be Gly or a termination codon.
144 <400> SEQUENCE: 4
146 Asp Arg Arg Arg Val Glu Arg Glu Glu Arg Ala Lys Ser Asn Gly Val

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/849,729

DATE: 05/16/2001

TIME: 14:56:18

Input Set : A:\RDID 0070.ST25.txt

Output Set: N:\CRF3\05162001\I849729.raw

```

147 1          5          10          15
149 Gly Asn Ser Pro Leu Lys Gln Glu Thr Asp Asp Gly Pro Ser Arg Ala
150          20          25          30
152 Val Cys Ser Val Gln Ser Arg Cys Asp Glu Ala Ala Leu Asn Gln Arg
153          35          40          45
155 Leu Gln Ala Arg Thr Ser Gly Ser Ala Met Arg Arg Cys Gln Ile Pro
156          50          55          60
158 Ala Gln Glu Gly Asn Gly Cys Ala Arg Arg Arg Pro Arg Pro Arg Arg
159 65          70          75          80
W--> 161 Leu Gly Ser Arg Ala Pro Pro Arg Gln Gly Arg Xaa Arg Ser His Leu
162          85          90          95
W--> 164 Ser Ser Gln Cys Arg Arg Arg Arg Gln Ser Arg Pro Pro Ser Xaa Arg
165          100          105          110
W--> 167 Pro Ser Ala Cys Thr Glu Xaa Xaa Val Ser Xaa Ser
168          115          120
170 <210> SEQ ID NO: 5
171 <211> LENGTH: 25
172 <212> TYPE: PRT
173 <213> ORGANISM: Sentinel Virus II
175 <220> FEATURE:
W--> 176 <221> NAME/KEY: Miscellaneous
177 <222> LOCATION: (12)..(12)
178 <223> OTHER INFORMATION: This residue can be Ser or Thr.
181 <220> FEATURE:
W--> 182 <221> NAME/KEY: Miscellaneous
183 <222> LOCATION: (24)..(24)
184 <223> OTHER INFORMATION: This residue can be Leu or Arg.
187 <400> SEQUENCE: 5
W--> 189 Met Ser Ser Ser Ser Ser Ile Pro Ser Ala Phe Xaa Pro Ser Phe Cys
190 1          5          10          15
W--> 192 Met His Arg Ala Lys Arg Phe Xaa Ile
193          20          25

```

VERIFICATION SUMMARY

DATE: 05/16/2001

PATENT APPLICATION: US/09/849,729

TIME: 14:56:19

Input Set : A:\RDID 0070.ST25.txt

Output Set: N:\CRF3\05162001\I849729.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:78 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:84 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:121 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:127 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:133 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:139 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:176 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:182 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5